# Name of Work : IMPROVEMENT TO ROADS DRAINS AND OTHER MAINTENANACE BEHIND "KSCMF" BUILDING AND SORROUNDING AREA IN WARD NO 14 BAGALAGUNTE

| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | 18.27 | KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 **(P.No. 140/ I. No. 18.27 of CSR 2018-19)** | | | | | | | | | |
| | | **EXISTING DRAIN** | | | | | | | | | |
| | | **MANJUNATHA NAGARA NEW EXTENSION** | | | | | | | | | |
| | | 1ST B CROSS | 2 | 2 | 30.00 | 0.10 | 0.60 | 7.20 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | 1ST A CROSS | 2 | 2 | 30.00 | 0.10 | 0.60 | 7.20 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | 2ND A CROSS | 2 | 2 | 30.00 | 0.10 | 0.60 | 7.20 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | 3RD A CROSS | 2 | 2 | 30.00 | 0.10 | 0.60 | 7.20 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 2 | 2 | 131.00 | 0.10 | 0.60 | 31.44 | | | |
| | | BOTTOM SLAB | 2 | 1 | 131.00 | 0.60 | 0.10 | 15.72 | | | |
| | | 5TH CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | 4TH CROSS | 2 | 2 | 30.00 | 0.10 | 0.60 | 7.20 | | | |
| | | BOTTOM SLAB | 2 | 1 | 30.00 | 0.60 | 0.10 | 3.60 | | | |
| | | **BAIRAPPA GARDEN** | 2 | 2 | 40.00 | 0.10 | 0.60 | 9.60 | | | |
| | | BOTTOM SLAB | 2 | 1 | 40.00 | 0.60 | 0.10 | 4.80 | | | |
| | | | | | **Total Qty** | | | **137.16** | **Cum** | **372.06** | **51,031.75** |
| | | Basic Rate | 351.0 | | | | | | | | |
| | | A.W 6% | 21.06 | | | | | | | | |
| | | TOTAL RATE | 372.1 | | | | | | | | |
| 2 | 19.1 | KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(P.No. 143/ I. No. 19.1 of CSR 2018-19)** | | | | | | | | | |
| | | **FOR LOWERING GROUND LEVEL TO CC PAVEMENT** | | | | | | | | | |
| | | 1ST B CROSS | 1 | 1 | 30.00 | 4.00 | 0.30 ~~0.60~~ | 72.00 | | | |
| | | 1ST A CROSS | 1 | 1 | 30.00 | 4.00 | ~~0.60~~ 0.30 | 72.00 | | | |
| | | 2ND A CROSS | 1 | 1 | 30.00 | 4.00 | ~~0.60~~ 0.30 | 72.00 | | | |
| | | 3RD A CROSS | 1 | 1 | 30.00 | 4.00 | ~~0.60~~ 0.30 | 72.00 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 1 | 1 | 131.00 | 5.00 | 0.60 | 393.00 | | | |
| | | 4TH CROSS | 1 | 1 | 30.00 | 4.00 | 0.60 | 72.00 | | | |
| | | **GANAPATHI NAGARA** | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | **DRAIN** | | | | | | | | | |
| | | 1ST B CROSS | 2 | 1 | 30.00 | 1.20 | 1.00 | 72.00 | | | |
| | | 1ST A CROSS | 2 | 1 | 30.00 | 1.20 | 1.00 | 72.00 | | | |
| | | 2ND A CROSS | 2 | 1 | 30.00 | 1.20 | 1.00 | 72.00 | | | |
| | | 3RD A CROSS | 2 | 1 | 30.00 | 1.20 | 1.00 | 72.00 | | | |

Scanned with CamScanner

| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 2 | 1 | 131.00 | 1.20 | 1.00 | 314.40 | | | |
| | | 5TH CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 4TH CROSS | 2 | 1 | 30.00 | 1.20 | 1.00 | 72.00 | | | |
| | | **BAIRAPPA GARDEN** | 2 | 1 | 40.00 | 1.20 | 1.00 | 96.00 | | | |
| | | **CULVERT** | | | | | | | | | |
| | | **SIDEDAHALLI MAIN ROAD** | | | | | | | | | |
| | | 13TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | 1ST CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **V.V.LAYOUT** | | | | | | | | | |
| | | 9TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **B.T.S LAYOUT** | | | | | | | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **SOAP FACTORY LAYOUT** | | | | | | | | | |
| | | 5TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | 7TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **MEI LAYOUT** | | | | | | | | | |
| | | 19TH MAIN | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **BAGALAGAUNTE** | | | 6.00 | 1.30 | 1.75 | | | | |
| | | 25TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **VIJAYALAKSHMI LAYOUT** | | | | | | | | | |
| | | 7TH CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | **VINAYAKA NAGARA** | | | | | | | | | |
| | | 3RD CROSS | 1 | 1 | 6.00 | 1.30 | 1.75 | 13.65 | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.60 | 0.45 | 27.00 | | | |
| | | | | | **Total Qty** | | | 1999.35 | Cum | 137.80 | 275,510.43 |
| | | Basic Rate | 130.0 | | | | | | | | |
| | | A.W 6% | 7.8 | | | | | | | | |
| | | TOTAL RATE | 137.8 | | | | | | | | |
| 3 | 4.7 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P.No. 143/ I. No. 4.7 of CSR 2018-19)** | | | | | | | | | |
| | | DRAIN | | | | | | | | | |

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| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | 1ST B CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | 1ST A CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | 2ND A CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | 3RD A CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 2 | 1 | 131.00 | 1.20 | 0.15 | 47.16 | | | |
| | | 5TH CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | 4TH CROSS | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | **BAIRAPPA GARDEN** | 2 | 1 | 40.00 | 1.20 | 0.15 | 14.40 | | | |
| | | **CULVERT** | | | | | | | | | |
| | | **SIDEDAHALLI MAIN ROAD** | | | | | | | | | |
| | | 13TH CROSS | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | 1ST CROSS | 1 | 1 | 6.10 | 1.30 | 0.15 | 1.19 | | | |
| | | **V.V.LAYOUT** | | | | | | | | | |
| | | 9TH CROSS | 1 | 1 | 5.80 | 1.30 | 0.15 | 1.131 | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | **B.T.S LAYOUT** | | | | | | | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | **SOAP FACTORY LAYOUT** | | | | | | | | | |
| | | 5TH CROSS | 1 | 1 | 6.10 | 1.30 | 0.15 | 1.19 | | | |
| | | 7TH CROSS | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | **MEI LAYOUT** | | | | | | | | | |
| | | 19TH MAIN | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | **BAGALAGAUNTE** | | | | | | | | | |
| | | 25TH CROSS | 1 | 1 | 6.00 | 1.30 | 0.15 | 1.17 | | | |
| | | **VIJAYALAKSHMI LAYOUT** | | | | | | | | | |
| | | 7TH CROSS | 1 | 1 | 5.00 | 1.30 | 0.15 | 0.98 | | | |
| | | **VINAYAKA NAGARA** | | | | | | | | | |
| | | 3RD CROSS | 1 | 1 | 5.80 | 1.30 | 0.15 | 1.13 | | | |
| | | | | | **Total Qty** | | | **139.00** | **Cum** | **5714.99** | **794,360.75** |

| | | |
|---|---|---|
| 1 | Basic Rate | 5309.0 |
| 2 | Old cement Rate | 245.3 |
| 3 | cement constant | 220.0 |
| 4 | Cement Cost in Basic Rate(2*3/50) | 1079.4 |
| 5 | New Cement Rate | 264.06 |
| 6 | New Cement Cost in Basic Rate(3*5/50)-per bag | 1161.864 |
| | Finished Rate(1-4+6) | 5391.5 |
| | A.W 6% | 323.5 |
| | TOTAL RATE | 5714.99 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.59.2 | Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM **(P.No. 271/ I. No. 37.59.2 of CSR 2018-19)** | | | | | | | | | |
| | **DRAIN** | | | | | | | | | | |
| | 1ST B CROSS | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | | |
| | | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | | |
| | 1ST A CROSS | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | | |

Scanned with CamScanner

| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | 2ND A CROSS | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | |
| | | | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | |
| | | 3RD A CROSS | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | |
| | | | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | |
| | | MANJUNATHA NAGARA | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | |
| | | 6TH CROSS | | | | | | | | | |
| | | | 2 | 2 | 131.00 | 0.15 | 0.60 | 47.16 | | | |
| | | 5TH CROSS | 2 | 1 | 131.00 | 0.90 | 0.15 | 35.37 | | | |
| | | | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | |
| | | 4TH CROSS | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | |
| | | | 2 | 2 | 30.00 | 0.15 | 0.60 | 10.80 | | | |
| | | BAIRAPPA GARDEN | 2 | 1 | 30.00 | 0.90 | 0.15 | 8.10 | | | |
| | | | 2 | 2 | 40.00 | 0.15 | 0.60 | 14.40 | | | |
| | | CULVERT | 2 | 1 | 40.00 | 0.90 | 0.15 | 10.80 | | | |
| | | SIDEDAHALLI MAIN ROAD | | | | | | | | | |
| | | 13TH CROSS | | | | | | | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | 1ST CROSS | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | | 2 | 1 | 6.10 | 0.20 | 0.90 | 2.20 | | | |
| | | V.V.LAYOUT | 1 | 1 | 6.10 | 1.00 | 0.20 | 1.22 | | | |
| | | 9TH CROSS | | | | | | | | | |
| | | | 2 | 1 | 5.80 | 0.20 | 0.90 | 2.09 | | | |
| | | 2ND CROSS | .1 | 1 | 5.80 | 1.00 | 0.20 | 1.16 | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | B.T.S LAYOUT | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | 2ND CROSS | | | | | | | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | SOAP FACTORY LAYOUT | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | 5TH CROSS | | | | | | | | | |
| | | | 2 | 1 | 6.10 | 0.20 | 0.90 | 2.20 | | | |
| | | 7TH CROSS | 1 | 1 | 6.10 | 1.00 | 0.20 | 1.22 | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | MEI LAYOUT | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | 19TH MAIN | | | | | | | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | BAGALAGAUNTE | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | 25TH CROSS | | | | | | | | | |
| | | | 2 | 1 | 6.00 | 0.20 | 0.90 | 2.16 | | | |
| | | VIJAYALAKSHMI LAYOUT | 1 | 1 | 6.00 | 1.00 | 0.20 | 1.20 | | | |
| | | 7TH CROSS | | | | | | | | | |
| | | | 2 | 1 | 5.00 | 0.20 | 0.90 | 1.80 | | | |
| | | VINAYAKA NAGARA | 1 | 1 | 5.00 | 1.00 | 0.20 | 1.00 | | | |
| | | 3RD CROSS | | | | | | | | | |
| | | | 2 | 1 | 5.80 | 0.20 | 0.90 | 2.09 | | | |
| | | | 1 | 1 | 5.80 | 1.00 | 0.20 | 1.16 | | | |
| | | | | | Total Qty | | | 257.42 | Cum | 7189.45 | 1,850,693.84 |

| | | |
|---|---|---|
| 1 | Basic Rate | 6670.0 |
| 2 | Old cement Rate | 245.3 |
| 3 | cement constant | 300.0 |
| 4 | Cement Cost in Basic Rate(2*3/50) | 1471.9 |
| 5 | New Cement Rate | 264.06 |

Scanned with CamScanner

| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements Length | Breath | Depth | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | 6 | New Cement Cost in Basic Rate(3*5/50)-per bag | 1584.36 | | | | | | | | |
| | | Finished Rate(1-4+6) | 6782.5 | | | | | | | | |
| | | A.W 6% | 407.0 | | | | | | | | |
| | | TOTAL RATE | 7189.45 | | | | | | | | |
| 5 | 28.8.2 | KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **(P.No. 229/ I. No. 28.8.2 of CSR 2018-19)** | | | | | | | | | |
| | | FOR DRAIN | 221.13 | X | 65.00 | KG/CUM | | 14,373.45 | Kgs | | |
| | | FOR CULVERT | 36.29 | X | 75.00 | KG/CUM | | 2,721.60 | Kgs | | |
| | | | TOTAL | | | | | 17,095.05 | Kgs | | |
| | | | | | | | | 17.10 | TONNE | | |
| | | | | | | | | **17.10** | TONNE | 72326.98 | 1,236,433.34 |
| | | Basic Rate | 68233.0 | | | | | | | | |
| | | A.W 6% | 4093.98 | | | | | | | | |
| | | TOTAL RATE | 72327.0 | | | | | | | | |
| 6 | 4.7 | Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1:5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc.( APPROVED DATA RATE COPY ATTACHED) | | | | | | | | | |
| | | **COVERING SLAB FOR DRAIN** | | | | | | | | | |
| | | 1ST B CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | 1ST A CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | 2ND A CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | 3RD A CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 2 | 1 | 131.00 | 0.90 | | 235.80 | | | |
| | | 5TH CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | 4TH CROSS | 2 | 1 | 30.00 | 0.90 | | 54.00 | | | |
| | | **BAIRAPPA GARDEN** | 2 | 1 | 40.00 | 0.90 | | 72.00 | | | |
| | | | | | | TOTAL | | 631.80 | | | |
| | | **CULVERT** | | | | | | | | | |
| | | 13TH CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | 1ST CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | **V.V.LAYOUT** | | | | | | | | | |
| | | 9TH CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | 2ND CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | **B.T.S LAYOUT** | | | | | | | | | |
| | | 2ND CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | **SOAP FACTORY LAYOUT** | | | | | | | | | |
| | | 5TH CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | 7TH CROSS | | | | | | | | | |

Scanned with CamScanner

| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | Length 5 | Breath 6 | Depth 7 | 8 | 9 | 10 | 11 |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | MEI LAYOUT | | | | | | | | | |
| | | 19TH MAIN | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | BAGALAGAUNTE | | | | | | | | | |
| | | 25TH CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | VIJAYALAKSHMI LAYOUT | | | | | | | | | |
| | | 7TH CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | VINAYAKA NAGARA | | | | | | | | | |
| | | 3RD CROSS | | | | | | | | | |
| | | DESITING FOR APPROACH DRAIN | 2 | 1 | 50.00 | 0.90 | | 90.00 | | | |
| | | | | | | | | 990.00 | | | |
| | | CONSIDERING 30%DAMAGED | | | | | | 297.00 | | | |
| | | For New Drains | | | | | | 631.80 | | | |
| 7 | 37.56 | Removing and resetting of footpath slab (P.No. 270/ I. No. 37.56 of CSR 2018-19) | | | | Total Qty | | 928.80 | Sqm | 1615.00 | 1,500,012.00 |
| | | COVERING SLAB FOR DRAIN | | | | | | | | | |
| | | DESILTING DRAIN SLABS | | | | | | 990.00 | | | |
| | | | | | | Present qty | | 990.00 | Sqm | 208.82 | 206,731.80 |
| 8 | 15.8 | KSRB 15.2.2 Providing ruled pointing to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints , including cost of materials, labour, curing complete as per specifications. (P.No. 115/ I. No. 15.8 of CSR 2018-19) | | | | | | | | | |
| | | COVERING SLAB FOR DRAIN | | | | | | | | | |
| | | DESILTING DRAIN SLABS OF & NEW DRAIN | | | | | | 990.00 | | | |
| | | | | | | Present qty | | 990.00 | Sqm | 48.76 | 48,272.40 |
| 9 | 4.7 | Providing & Fixing Precast RCC slab of 250mm thick for culverts made of plain/reinforced cement concrete desigh mix M25 with OPC @ 340 Kgs with 20mm and down size graded granite metal course aggregates @ 0.70 cum and fine aggregates @ 0.47 cum. with super plasticizer @ 3lts confirming to 189103-1999 Reaffirmed-2008m open foundation complete as per drawing and technical specification including cost of all materials, Labour, HOM curing form works, scaffoiding and centering complete as per specification and pointing for joints 1:3 cement mortor including form work. lift charges, curing and concrete finished surfacess on both sides etc., complete and as per the direction of Engineer in- Charge.( APPROVED DATA RATE COPY ATTACHED) | | | | | | | | | |
| | | COVERING SLAB FOR CD | | | | | | | | | |
| | | SIDEDAHALLI MAIN ROAD | | | | | | | | | |
| | | 13TH CROSS | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |
| | | 1ST CROSS | 1 | 1 | 6.10 | 1.20 | | 7.32 | | | |
| | | V.V.LAYOUT | | | | | | | | | |
| | | 9TH CROSS | 1 | 1 | 5.80 | 1.20 | | 6.96 | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |
| | | B.T.S LAYOUT | | | | | | | | | |
| | | 2ND CROSS | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |
| | | SOAP FACTORY LAYOUT | | | | | | | | | |
| | | 5TH CROSS | 1 | 1 | 6.10 | 1.20 | | 7.32 | | | |
| | | 7TH CROSS | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |
| | | MEI LAYOUT | | | | | | | | | |
| | | 19TH MAIN | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |

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| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements | | | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | | **BAGALAGAUNTE** | | | | | | 0.00 | | | |
| | | 25TH CROSS | 1 | 1 | 6.00 | 1.20 | | 7.20 | | | |
| | | **VIJAYALAKSHMI LAYOUT** | | | | | | | | | |
| | | 7TH CROSS | 1 | 1 | 5.00 | 1.20 | | 6.00 | | | |
| | | **VINAYAKA NAGARA** | | | | | | | | | |
| | | 3RD CROSS | 1 | 1 | 5.80 | 1.20 | | 6.96 | | | |
| | | | | | | Total Qty | | 77.76 | Sqm | 4608.00 | 358,318.08 |
| 10 | 22.1.2 | KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fineaggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. **(P.No. 174/ I. No. 22.1.2 of CSR 2018-19)** | | | | | | | | | |
| | | **CC PAVEMENT** | | | | | | | | | |
| | | 1ST B CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 1ST A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 2ND A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 3RD A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 1 | 1 | 131.00 | 5.00 | 0.15 | 98.25 | | | |
| | | 4TH CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | **GANAPATHI NAGARA** | 2 | 1 | 30.00 | 1.20 | 0.15 | 10.80 | | | |
| | | | | | | Total Qty | | 199.05 | Cum | 3948.50 | 785,948.93 |
| | 1 | Basic Rate | 3665.0 | | | | | | | | |
| | 2 | Old cement Rate | 245.3 | | | | | | | | |
| | 3 | cement constant | 160.0 | | | | | | | | |
| | 4 | Cement Cost in Basic Rate(2*3/50) | 785.0 | | | | | | | | |
| | 5 | New Cement Rate | 264.06 | | | | | | | | |
| | 6 | New Cement Cost in Basic Rate(3*5/50)-per bag | 844.992 | | | | | | | | |
| | | Finished Rate(1-4+6) | 3725.0 | | | | | | | | |
| | | A.W 6% | 223.5 | | | | | | | | |
| | | TOTAL RATE | 3948.50 | | | | | | | | |
| 11 | 22.6.1 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(P.No. 176/ I. No.22.6.1 of CSR 2018-19)** | | | | | | | | | |
| | | **CC PAVEMENT** | | | | | | | | | |

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| BOQ Item No | Item code | Description Of item of work | Nos | | Measurements Length | Breath | Depth | Quantity | Units | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | | 1ST B CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 1ST A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 2ND A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | 3RD A CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | **MANJUNATHA NAGARA** | | | | | | | | | |
| | | 6TH CROSS | 1 | 1 | 131.00 | 5.00 | 0.15 | 98.25 | | | |
| | | 4TH CROSS | 1 | 1 | 30.00 | 4.00 | 0.15 | 18.00 | | | |
| | | **GANAPATHI NAGARA** | 2 | 1 | 30.00 | 5.00 | 0.15 | 45.00 | | | |
| | | | | | **Total Qty** | | | **233.25** | **Cum** | **5354.06** | **1,248,834.50** |
| | 1 | Basic Rate | 4916.0 | | | | | | | | |
| | 2 | Old cement Rate | 245.3 | | | | | | | | |
| | 3 | cement constant | 360.0 | | | | | | | | |
| | 4 | Cement Cost in Basic Rate(2*3/50) | 1766.2 | | | | | | | | |
| | 5 | New Cement Rate | 264.06 | | | | | | | | |
| | 6 | New Cement Cost in Basic Rate(3*5/50)-per bag | 1901.232 | | | | | | | | |
| | | Finished Rate(1-4+6) | 5051.0 | | | | | | | | |
| | | A.W 6% | 303.1 | | | | | | | | |
| | | TOTAL RATE | 5354.06 | | | | | | | | |
| 12 | 22.6.1 | KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road ITEM no. 17.4 , KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (15 KM lead taken (PWD BCSR 2018-19 P - 136 I - 17.1 and as per | | | | | | | | | | |
| | | QTY AS IN I NO 1 | | | | | | 137.16 | | | |
| | | QTY AS IN I NO 2 | | | | | | 1,999.35 | | | |
| | | | | | | | | **2136.51** | **Cum** | **157.09** | **335,628.63** |
| | | | | | **Total Qty** | | | | | | |
| | | Basic Rate | 2.0 | | TONNE/KM | | | | | | |
| | | average weight in ton/cum for earth | 1.3 | | TONNE/CUM | | | | | | |
| | | add loading & unloading item No. 17.1 KSRRB M 100-1 | 57.0 | | CUM | | | | | | |
| | | add loading & unloading item No. 17.1 KSRRB M 100-1 | (2 *1.30 *25 + 57) = 148.20 | | | | | | | | |
| | | Basic Rate | 148.2 | | | | | | | | |
| | | A.W 6% | 8.892 | | | | | | | | |
| | | TOTAL RATE | 157.1 | | | | | | | | |
| 13 | | Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand | | | | | | | | | |
| | | **RAIN WATER HARVESTING L=(3.142*0.63*0.63)/4=0.31** | | | | | | | | | |
| | | 40 mm jelly | 7 | 1 | 0.31 | | 0.40 | 0.87 | Cum | 1901.00 | 1,650.07 |
| | | 20 mm jelly | 7 | 1 | 0.31 | | 0.40 | 0.87 | Cum | 1901.00 | 1,650.07 |
| | | Course Sand | 7 | 1 | 0.31 | | 0.30 | 0.65 | Cum | 2651.00 | 1,725.80 |
| | | Fine Sand | 7 | 1 | 0.31 | | 0.20 | 0.43 | Cum | 2651.00 | 1,150.53 |
| | | 12.5 mm chips | 7 | 1 | 0.31 | | 0.30 | 0.65 | Cum | 1901.00 | 1,237.55 |

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| Q | Item code | Description Of item of work | Nos | | Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Breath | Depth | Quantity | Units | Rate | Amount |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade **(Item No. 1.17 Code No. K010Q)BWSSB SR 2017-18 Pg. No. 121** | | | | | | | | | |
| | | **RAIN WATER HARVESTING( 0.63m dia HDPE Perforated Pipe. For 1.8 Mtr depth)** | | | | | | | | | |
| | | 40 mm jelly | 7 | 1 | 1.80 | | | 12.60 | Rmt | 12121.00 | 152,724.60 |
| | | Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge. | | | | | | | | | |
| | | **RAIN WATER HARVESTING L=(3.142*0.63*0.63)/4=0.31** | | | | | | | | | |
| | | 40 mm jelly | 7 | 1 | 0.31 | | | 2.17 | Sqm | 1901.00 | 4,125.17 |
| | | **Total amount** | | | | | | | | | 8856040.23 |
| | | **ADD 12% GST** | | | | | | | | | 1062724.83 |
| | | **TENDER PREMIUM, MISC AND ROUNDOFF** | | | | | | | | | 66234.94 |
| | | **TOTAL AMOUNT IN RS** | | | | | | | | | 9985000.00 |

Assistant Engineer
AE-14

Assistant Executive Engineer
T Dasarahalli Sub- Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P

ADMINISTRATIVELY SANCTIONED FOR
Rupees Ninety Five lakh Eighty Five Thousand only
Under the Head of Account P-1878
General Admin Wards
Registered as no EE(D.D.)/AS 189 Subject
conditions contained in Enclosed Memo
EE/D.D/AS/189/2020-21 Dt: 22/12/2020
Exe. Engg
(DASARAHALLI) BBMP
E.

Technically Sanctioned For Rs: 9985000/-
Rs. In Words Ninty nine lakh eight five thousand only
Under P-1878
Job Code No. 014-21-000012
Registered as SE No. III/TS/20-21 subject to conditions contained in Enclosed Memo No. S.E/D/T.S/III/20-21 Dt. 22-12-2020
SE(D) 22.12
AE / JE TA

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